IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Application No.:		Stewart, Kenneth A. et al.	Group Art Unit: Examiner:				
Date Fil		10/17/03	Batch No.:				
Title:		MULTI-PASS INTERFER COMMUNICATION SYST	ENCE REDUCTION IN A GSM FEM				
		INFORMATION DISC	CLOSURE STATEMENT (IDS)				
		or Patents 22313-1450					
SIR:							
	n attache		n compliance with 37 C.F.R. §§1.97 and 1.98, the references equently identified herein, are being submitted herewith for emark Office.				
I.	COPIES a.⊠	A legible copy of (i) each U.S. as caused it to be listed; and (iii) all	nd foreign patents; (ii) each publication or that portion which other information or that portion which caused it to be listed,				
	b. 🗀	is included herewith. Any patents, publications or other information which are listed on PTO/SB/08 which enclosed herewith were previously cited by or submitted to the PTO in one of the f applications which has been relied upon for an earlier filing date under 35 U.S.C. §120					
		U.S. Serial Number	U.S. Filing Date				
11.	CONCI a. ⊠ b. □ c. □	Except as may be indicated below information are in the English land A concise explanation of the reletant is not in the English language	LEVANCE (check at least one box) v in (b) of this section, all of the patents, publications or other guage (concise explanation not required). evance of all patents, publications or other information listed is as follows: tion is provided for the Examiner's consideration:				
III. 🔲	The Exa	ed to the present application. By	PLICATION(S) g co-pending application(s) contain(s) subject matter that may bringing this (these) applications to the Examiner's attention, dentiality provisions of 35 U.S.C. §122.				
	Serial N	No. Filing	Date Art Unit				
			FEES				
IV. 🖾	THIS II	DS IS BEING FILED UNDER 37	C.F.R. §1.97(b): (check one box)				
	a. 🖾	within three months of the fili prosecution application under §	ng date of a national application other than a continued 1.53(d) (37 C.F.R. §1.97(b)(1)). No fee or statement is				
	b.□	international application (37 C.F.	of entry of the national stage as set forth in § 1.491 in an R. §1.97(b)(2)). No fee or statement is required.				
	c. 🔲	before the mailing date of a first or statement is required.	Office Action on the merits (37 C.F.R. §1.97(b)(3)). No fee				
	d.	before the mailing date of a fir	st Office Action after the filing of a request for continued F.R. § 1.97(b)(4)). No fee or statement is required.				

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V. 🗌	before t under 3 §1.97(c	DS IS BEING FILED UNDER 37 C.F.R. §1.97(c): (check one box) the mailing date of any of a Final Office Action under 37 C.F.R. §1.113, a Notice of Allowance 7 C.F.R. §1.311, or an action that otherwise closes prosecution in the application (See 37 C.F.R. §1). No statement; therefore, charge Deposit Account 502117 the fee set forth in 37 C.F.R.								
	a. 🗌 b. 🔲	§1.17(p).	. No fee is requ		ee set forth in 37 C	.r.x.			
VI. 🗌		efore payi a statem	ment of the issue ent under 37 C.	F.R. §1.97(e) as	§1.97(d): mpanied by the follow provided below; and ition fee set forth in §	-				
VII.		dersigned each ite Patent (of IDS; no item Patent (stateme known filing of some of foreign informa a counte to the r	hereby states the mof information of information of information of information of information of information of information on the information of information of information of information contained information information information information of information information of information of information information information of information of information information of information information of information information information of information information information of information informati	at on contained in the contained in the cerpart foreign a reasonable inqual designated in formation contains the IDS was ciplication not monation, the under the contains the	the IDS was cited in application not more that the IDS was cited in application not more that the IDS was cited in application, and to know the IDS was cited in a communication of the IDS were formation, the understed in a communication than three months persigned hereby state.	a communication for three months prior to the filing of the personation contained in the transfer of the personation contained in the transfer of the transfer of the filing of the transfer of the filing of the transfer of transfer	or to the filing rom a foreign on signing the the IDS was as prior to the death item of atent Office in f this IDS. As his remaining			
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VIII.	PAYMI	Please of fee(s). If Appli Commis	in the amount of tharge Deposit A cant has overloos sioner is hereby	Account 502117 Oked any addition authorized to co	nclosed for the above in the amount of \$180 nal fees, or if any over redit or debit Deposit or Deposit Account ch	.00 for the above-in payment has been in Account 502117.				
	te statuto	ory prior	art or contain n	natter which anti	interests of candor and cipates the invention ordinary skill in the art	or which would re-				
	determine	ed that th	is IDS has been	filed under the	is IDS, he/she is requ wrong rule, the PTO arge the appropriate fe	is requested to con	sider this IDS			
					Respectfully sub Stewart, Kenneth Migchane	A. et al. Turuhawa	10/17/03			
	ROLA, II er Numb	NC. er 20280			Shigeharu Furuk Agent for Applic Reg. No. 50,481 Tel. 847-523-19	cant(s)				
Enclosu	ires:		PTO/SB/08 References Foreign Search Other:	n Report	. 61. 647-525-17					

	 				PTO/SB/08A (04-03)				
Substitute for form	1449A/PTO				Complete if Known				
				Application Number					
INF	ORMATION DIS	CLOSU	RE	Filing Date	10/17/03				
ST.	ATEMENT BY A	PPLICAI	NT	First Named Inventor	Stewart, Kenneth A. et al.				
01.	AILMENT DIA	ii i Lioni	•	Group Art Unit					
(use as many shee	ts as necessary)			Examiner Name					
Sheet	1	of	2	Attorney Docket Number	CS23196RL				

		•	J. S. PATENT DOCU	MENTS	
Examiner Initials	Cite No. 1	Document Number Number -Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Releval Passages or Relevant Figures Appear
		US - 5,933,768	08-03-1999	Skold et al.	
		US - 6,026,130	02-15-2000	Rahmatullah et al.	
		US - 6,044,111	03-28-2000	Meyer et al.	
		US - 2002/0131488 A1	09-19-2002	Alpress et al.	
		US - 2002/0131489 A1	09-19-2002	Alpress et al.	
		US - 10/366,106	02-13-2003	Buckley et al.	
		FO	REIGN PATENT DO	CUMENTS	

		FOREIGN PA	TENT DOCUMENT	S		
Examine r Initials*	Cite No. 1	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	. T e
		WO 98/16021	04-16-1998	Statistical Signal Processing Inc.		
		WO 00/64061	10-26-2000	Telefonaktiebolaget LM Ericsson		
		WO 01/50291 A1	07-12-2001	Leonard et al.		

Examiner	Date	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation, if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

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Substitute for form	1449A/PTO				Complete if Known
				Application Number	
INF	ORMATION DIS	SCLOSU	RE	Filing Date	10/17/03
STA	TEMENT BY A	PPI ICA	NT	First Named Inventor	Stewart, Kenneth A. et al.
	TEMENT DI A	11 600		Group Art Unit	
(use as many sheet	s as necessary)			Examiner Name	
Sheet	2	of	2	Attorney Docket Number	CS23196RL

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τs
		"Downlink GMSK Interference Suppression Performance Evaluation", 3GPP TSG GERAN #9, Seattle, WA, USA, April 15th-19th 2002, Ericsson, 15 pages	-
		"Single Antenna Interference Cancellation in MS for GSM Networks", 3GPP TSG-GERAN #9, Seattle, WA, USA, April 15th-19th 2002, Cingular Wireless, Philips Semidonductors, SBC Technology Resources, Inc., 4 pages	· · · · ·
		"Laboratory & Field Testing of SAIC for GSM Networks", 3GPP TSG GERAN #11, Los Angeles, CA, USA, Cingular Wireless, Philips Semiconductors, 20 pages	
		PIERO CASTOLDI, RICHARDO RAHELI AND GIOVANNI MARION, "Efficient Trellis Search Algorithms for Adaptive MLSE on Fast Rayleigh Fading Channels", Dipartimento di Ingegneria del'Informazione, Universita di Parma, Parma – Italy, 1994 IEEE, 5 pages	
		ABDULRAUF HAFEEZ, KARL J. MOLNAR, GREGORY E. BOTTOMLEY, "Co-Channel Interference Cancellation for D-AMPS Handsets", EECS Dept., U. of Michigan, Ericsson Inc., 1999 IEEE, 6 pages	
		HAFEDH TRIGUI AND DIRK T.M. SLOCK, "Training Sequence Based Multiuser Channel Identification for Co-Channel Interference Cancellation in GSM", Institu EURECOM, France, 1999 IEEE, 20 pages	
		OMA Open Mobile Alliance "Download Architecture Version 1.0", Version 10-June-2002, 24 pages	

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